

GRADUATE STUDIES (GR ST)

Courses primarily for graduate students, open to qualified undergraduates:

GR ST 529: Preparing Publishable Thesis Chapters

(3-0) Cr. 3. S.

Prereq: Instructor permission

Reporting original research results within the norms for writing of a student's discipline. Emphasis on preparing thesis/dissertation chapters that will be both acceptable to the Graduate College and ready for submission to a refereed journal in the student's discipline. Focus on reporting student-generated data, norms for discourse within disciplines, and how thesis chapters differ from journal manuscripts.

GR ST 565: Responsible Conduct of Research in Science and Engineering

(1-0) Cr. 1. F.S.

Prereq: Graduate classification

Ethical and legal issues facing researchers in the sciences and engineering.

GR ST 566: Communications in Science

(0.5-0) Cr. 0.5. Alt. S., offered odd-numbered years.

Prereq: graduate classification

Reading and reviewing manuscripts; publishing papers; oral and poster presentations.

GR ST 567: Time Management and Mentoring

(0.5-0) Cr. 0.5. Alt. F., offered even-numbered years.

Prereq: graduate classification

Balancing life and career; mentoring; lab management.

GR ST 568: The Interview Process

(0.5-0) Cr. 0.5. Alt. S., offered odd-numbered years.

Prereq: graduate classification.

Applying and interviewing for academia, industry and government.

GR ST 569: Grant Writing

(1-0) Cr. 1. Alt. F., offered odd-numbered years.

Prereq: at least two prior years of graduate classification.

Writing a winning proposal.

GR ST 570: Teaching Practices

(0.5-0) Cr. 0.5. Alt. S., offered even-numbered years.

Prereq: graduate classification.

Preparation of a teaching portfolio and course materials; lecturing, technology.

GR ST 585: Preparing Future Faculty Introductory Seminar

Cr. 1. F.

Prereq: One year of graduate course work; admission into PFF program

Introduction to faculty life issues such as hiring, tenure, teaching, and service at a variety of higher education institutions. Includes presentations from faculty at other institutions.

GR ST 586: Preparing Future Faculty Intermediate Seminar

Cr. 1-3. S.

Prereq: Admission into PFF program; completion of 585 or permission of instructor

Consideration of a wide range of faculty life issues. Includes topics such as higher education trends, diversity issues, learning styles, assessment, grant and proposal writing, and legal and ethical issues. Written components include job and teaching portfolios.

GR ST 587: Preparing Future Faculty Teaching Practicum

Cr. 1-3. Repeatable. F.S.

Prereq: Permission of instructor, GR ST 585, credit for or concurrent enrollment in GR ST 586

Students complete a stand-alone teaching assignment at Iowa State or another higher education institution. Written components include pedagogical documents.

GR ST 588: Preparing Future Faculty Special Topics

Cr. 1-3. Repeatable. F.S.

Prereq: Permission of instructor, GR ST 585, credit for or concurrent enrollment in GR ST 586

In-depth study of topic providing academic professional development.

Courses for graduate students:

GR ST 600: Examination Only

Cr. R.

Reserved for graduate students the term they take the final oral examination. Students must have completed all required coursework and not be registered for another non-R Credit course.

GR ST 601: Required Enrollment

Cr. R.

Reserved for graduate students who must be registered for a particular term, but are not required to take additional coursework.

GR ST 633: Summer Graduate Assistant

Cr. R. SS.

Only for students not registered in other courses in the summer term.

GR ST 680: Doctoral Post Prelim (Continuous) Registration

Cr. R. Repeatable.

Reserved for Ph.D. candidates only. See the Graduate College Handbook for specific requirements.

GR ST 697: Curricular Practical Training

Cr. R. Repeatable. F.S.SS.

Professional work period.